



PRODUCT CATALOGUE 2010



Cypress Technology Co., Ltd.





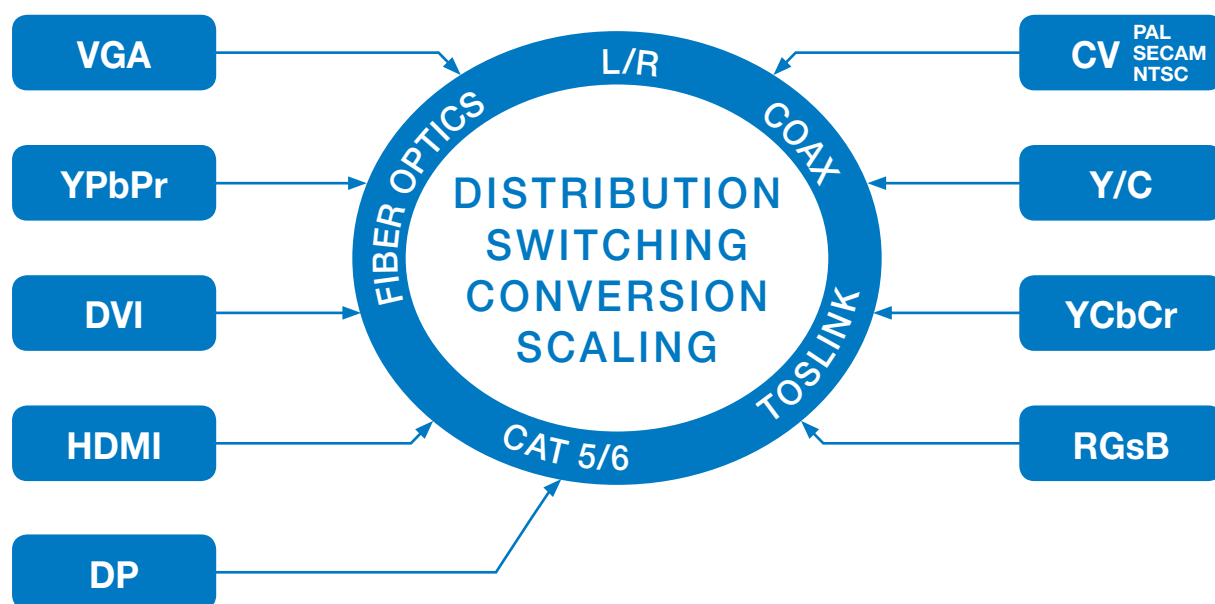
Video Labs presents



Cypress Technology Co., Ltd.\*

\* (ISO 9001/14001 Certified Company)

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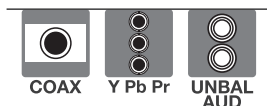
# B.1

## HDTV - AUDIO DISTRIBUTORS & SWITCHERS

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## CHDD-3C

1x3 HD DISTRIBUTOR W/DIGITAL & ANALOG AUDIO



### Applications:

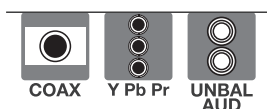
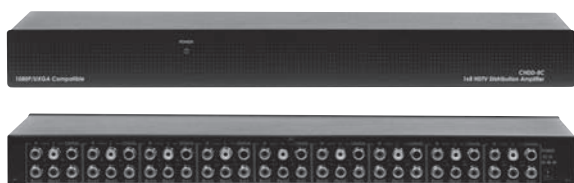
CHDD-3C is capable of distributing Video in 3 different formats and is ideal for use in any analog video entertainment distribution system.

### Features:

- Support Std. (Composite, YCbCr) and HDTV (YPbPr, RGB) Input signal.
- Audio can be analog stereo (L/R) or digital coaxial (S/PDIF)
- High bandwidth performance 480MHz at -3dB.

## CHDD-8C

1x8 HDTV DISTRIBUTOR UP TO 1080P/UXGA



### Applications:

CHDD-8C is a high performance and versatile distribution amplifier for delivering both HD and Std. video signal with digital/analog audio to your multiple display units.

### Features:

- Support Std. (Composite, YCbCr) and HDTV (YPbPr) input signal.
- Audio can be analog stereo (L/R) or digital coaxial (S/PDIF).
- High bandwidth performance 650MHz at -3dB.

## CHDD-41AR

4-IN 1-OUT HD SWITCHER



### Applications:

CHDD-41AR HD/CV switcher is designed for switching between various HD and Std. sources for sharing TV display.

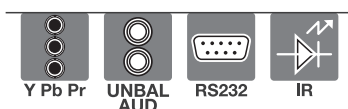
Simply pressing a button on remote control you can select your desired HD/Std. source for display on the TV monitor.

### Features:

- Component / composite switcher.
- Support audio formats: S/PDIF (Digital) and L/R (analog).
- High bandwidth performance 650MHz at -3dB.
- IR remote control.
- RS-232 interface allows control from a distant device.

## CCMX-44

COMPONENT 4x4 MATRIX



### Applications:

CCMX-44 is a high performance Component + L/R Audio Matrix with remote control. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources and displays to connect together.

### Features:

- Provides 4 by 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R audio signal.
- Input source LED indicators on each output select.
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- IR remote control.
- RS-232 control.

# B.2

## HDMI - DISTRIBUTORS

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### Applications:

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-age technology which defines the support to transfer Deep Color (10-bit and 12-bit ) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video. Each of the buffered output can run up to 20 meters and can be cascaded.

### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver
- Deep color video up to 12bit, 1080p@60Hz
- One HDMI source to connect to some HDMI displays simultaneously
- HDCP keysets allows each output to work independently when connecting to a HDMI display
- Split a HDMI source to some outputs without signal loss
- Supports DVI source and DVI display by using HDMI to/ from DVI adaptor cable
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- HDMI cable distance test with 1080p resolution: Input/ Output source can run up to 20M/5.1CH
- Full HDCP Compliant.
- **Independent EDID on each output**

## CLUX-11S

1x1 HDMI 1.3 REPEATER



## CLUX-12S

1x2 HDMI 1.3 SPLITTER



## CLUX-14S

1x4 HDMI 1.3 SPLITTER



## CLUX-4M

new

### 1x4 HDMI 1.3 SPLITTER



#### Applications:

The HDMI 1.3 Distribution Amplifier M Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video.

#### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant
- Deep colour video up to 12bit, 1080p@(24/60)Hz.
- One HDMI source that can connect up to four HDMI displays simultaneously
- HDCP keysets allows each output to work independently when connecting to a HDMI display
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Dolby Digital Plus, DTS digital audio transmission (32-192 kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- HDMI cable distance test with 1080p/8bits resolution the, Input/Output can run up to 15/15 m.  
If 1080p/12bits the Input/Output can run up to 10/15 m.
- Selects EDID from TV mode or STD mode
- Supports CEC bypass
- System Reset function
- Support xvYCC (Extended-gamut YCC)

## CLUX-18S

### 1x8 HDMI 1.3 SPLITTER



#### Applications:

The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-age technology which defines the support to transfer Deep Color (10-bit and 12-bit ) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video. Each of the buffered output can run up to 20 meters and can be cascaded.

#### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver
- Deep color video up to 12bit, 1080p@60Hz
- One HDMI source to connect to some HDMI displays simultaneously
- HDCP keysets allows each output to work independently when connecting to a HDMI display
- Split a HDMI source to some outputs without signal loss
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p
- HDMI cable distance test with 1080p resolution: Input/Output source can run up to 20M/5.1CH
- Full HDCP Compliant.
- **Independent EDID on each output**

# B.3

## HDMI - SWITCHERS

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<u>CLUX-41SY</u>	<u>144</u>
<u>CPRO-3D41GAME</u>	<u>144</u>
<u>CLUX-C41C</u>	<u>145</u>
<u>CLUX-C81C</u>	<u>145</u>
<u>CLUX-41W</u>	<u>146</u>

**Features:**

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports 30/36/48 bit color depth display
- Support High Definition audio-Dolby Digital TrueHD and DTS-HD
- Auto Signal Enhancement feature can improve signal quality after long distance transmission
- LED indicators

- Ideal for home theater integration
- Supports high resolution input:  
PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) and 1920x1200  
HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p

**CLUX-21SY***HDMI 1.3 2x1 SWITCHER***Applications:**

CLUX-21SY is a high performance HDMI switcher. It allows two HDMI sources to share one HDTV display. Simply pressing input button to select your desired HDMI source for display on the HDTV.

**CLUX-41SY***HDMI 1.3 4x1 SWITCHER***Applications:**

CLUX-41SY is a high performance HDMI switcher with remote control. It allows four HDMI sources to share one HDTV display. Simply pressing one button to select your desired HDMI source for display on the HDTV.

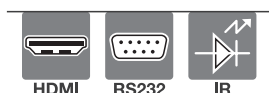
**CPRO-3D41GAME****new***HDMI 1.4 4x1 SWITCHER***AVAILABLE OCTOBER 2010****Applications:**

This is a high performance HDMI 1.4 Switcher with four inputs and one outputs. It supports HDCP repeater functions and fast switching between any inputs in less than 1 second. Moreover it has an integrated OSD feature that allows user to enjoy using one display to control both source and display at once.

**Features:**

- HDMI 1.4, HDCP 1.4 and CEC 1.4 compliant
- HDMI 1.4 supports:
  - Audio Return Channel (ARC)
  - 3D TV
  - CEC 1.4
- Fast switching on all HDMI inputs in less than 1 sec.
- Deep Colour support 36/30/24 bit, 1080p 60 Hz
- Audio support:
  - HDMI 1.4 Audio compatible interface
  - Dolby TrueHD
  - DTS-HD Master Audio

## CLUX-C41C new



### HDMI 1.3 4x1 SWITCHER WITH CEC

#### Applications:

CLUX-C41C is a high performance HDMI switcher that allows for up to four HDMI sources to share one HDTV display. This device features CEC control functions and supports deep colour, xvYCC and RS-232 control. Simply press one button select your desired HDMI source to display on the HDTV or use remote control to control your sources from a distance.

#### Features:

- HDMI 1.3 and HDCP 1.1 compliant
- Supports deep colour display RGB/YCbCr 4:4:4 24/30/36 bits
- Supports colour space YCbCr 4:2:2 16/20/24 bits
- Supports high definition audio - Dolby Digital True HD® and DTS-HD®
- Signal Enhancement feature allows signal quality improvement after long distance transmission
- HDMI cable distance test with 1080p/8-bit resolution, the input/output can reach up to 15/15 m. If running at 1080p/12-bit, the input/ output can reach at up to 15/6 m
- PC resolution up to UXGA (1600 x 1200), HD up to 1080p 24
- Memory retention (last configuration)
- Remote control function
- Supports RS232 operation
- Supports CEC control function (ON/OFF)
- Supports xvYCC (Extended-gamut YCC)

## CLUX-C81C new



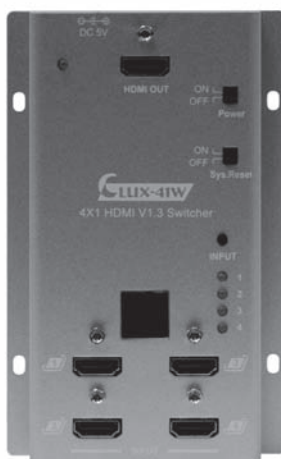
### HDMI 1.3 8x1 SWITCHER WITH CEC

#### Applications:

CLUX-C81C is a high performance HDMI switcher that allows for up to eight HDMI sources to share one HDTV display. This device features CEC control functions and supports deep colour, xvYCC and RS-232 control. Simply press one button select your desired HDMI source to display on the HDTV or use remote control to control your sources from a distance.

#### Features:

- HDMI 1.3 and HDCP 1.1 compliant
- Supports deep colour display RGB/YCbCr 4:4:4 24/30/36 bits
- Supports colour space YCbCr 4:2:2 16/20/24 bits
- Supports high definition audio - Dolby Digital True HD® and DTS-HD®
- Signal Enhancement feature allows signal quality improvement after long distance transmission
- HDMI cable distance test with 1080p/8-bit resolution, the input/output can reach up to 15/15 m. If running at 1080p/12-bit, the input/ output can reach at up to 15/6 m
- PC resolution up to UXGA (1600 x 1200), HD up to 1080p 24
- Memory retention (last configuration)
- Remote control function
- Supports RS232 operation
- Supports CEC control function (ON/OFF)
- Supports xvYCC (Extended-gamut YCC)



HDMI

#### Applications:

This is a high performance HDMI 1.3 Switcher with remote control .

It's suited for Showroom display control, Educational demo, Installation usage and Advertising display.

It allows various HDMI sources to share a HDTV display. Simply press the button to select your desire HDMI source for display on the HDTV. The device is compatible to HDMI v1.3 specifications, and can define to support Deep Colour transfer (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz.

#### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant
- Deep colour video up to 12bit, 1080p@60Hz
- Four HDMI sources to connect up to a HDMI display simultaneously
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission (32 192kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- Full HDCP Compliant
- HDMI cable distance test with 1080p/8bit resolution, the input/output source can run up to 15/15 m  
If 1080p/12bit, the input/output source can run up to 10/15 m
- Support xvYCC (Extended-gamut YCC)
- Support CEC bypass
- Support Sys. Reset function with hot key switch to reset the system within 8~10 minutes into factory mode

# B.4

## HDMI - MATRIX SWITCHERS

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<u>CMLUX-44S</u>	<u>139</u>
<u>CMLUX-88S</u>	<u>140</u>

## CHMX-22

### HDMI 2x2 MATRIX



#### Applications:

CHMX-22 is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have two HDMI sources and displays to connect together. Each of the two HDMI sources can be directed to any one of the two HDMI displays so each can show different sources.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Input source LED indicators on each output select
- Ideal for home theater integration, conference room and retail stores
- Compatible with all HDMI sources and displays
- Supports high resolution input/output:  
PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) & HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p
- RS-232 control
- IR remote control
- Regenerated outputs can drive up to 15 mt cable

## CHMX-42

### HDMI 4x2 MATRIX



#### Applications:

CHMX-42 is a high performance HDMI Matrix with remote control. It offers you maximum convenience in HDMI signal distribution when you have four HDMI sources and two displays to connect together. Each of the four HDMI sources can be directed to any one of the two outputs, so two displays can show 2 identical or 2 different sources at the same time.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Input source LED indicators on each output select
- Ideal for home theater integration, conference room and retail stores
- Compatible with all HDMI sources and displays
- Supports high resolution input/output:  
PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) & HDTV: 480i, 576i, 480p, 576p, 1080i and 1080p
- RS-232 control
- IR remote control
- Regenerated outputs can drive up to 15 mt cable

## CMLUX-42S new

HDMI 1.3 4x2 MATRIX



### Applications:

High performance HDMI 1.3 Matrix of 4 input and 2 output with remote control for you to link with your favor HDMI devices to enjoying movies, music, or games at once. Each of the four HDMI sources can be routed to any of the two or both outputs.

When HDMI signal progresses through the system, it is re-timed, and level-compensated.

Define HDCP, HDMI and DVI source. The LED light will light up to define the input sources' format.

Switchable EDID function for choosing the native resolution to display.

### Features:

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports digital video formats in Deep Colour 12bit and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Presents input source LED indicators on each output select
- Compatible with all HDMI sources and displays
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- Supports RS-232 control
- Supports IR remote control and IR extender.
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate)
- Supports LPCM7.1 channels output from each independent HDMI ports
- HDMI cable distance test with 1080p/8bit resolution, the Input/Output source can run up to 10/10 m. If 1080p/12bit the Input/Output source can run up to 6/6 m.)

## CMLUX-44S

HDMI 1.3 4x4 MATRIX



### Applications:

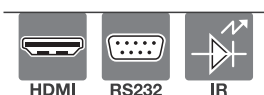
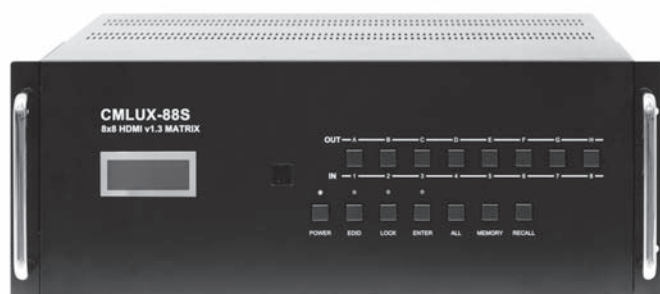
High performance HDMI 1.3 Matrix of 4 (four) input and 4 (four) output with remote control for you to link with your favor HDMI devices to enjoying movies, music, or games at once. Each of the four HDMI sources can be directed to any four of HDMI displays and or to all of the HDMI display.

When HDMI signal progresses through the system, it is re-timed, and level-compensated.

Define HDCP, HDMI and DVI source. The LED light will light up to define the input sources' format. Switchable EDID function for choosing the native resolution to display.

### Features:

- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant.
- Supports digital video formats in Deep Color up to 30 bits and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio.
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal.
- Supports input source LED indicators on each output select.
- Compatible with all HDMI sources and displays.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- Supports RS-232 control.
- Supports IR remote control and IR extender.
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).
- Supports LPCM7.1 channels output from each independent HDMI ports.
- HDMI cable distance test with 1080p/8bit resolution, the Input/Output source can run up to 15/15 meters. If 1080p/12bit the Input/Output source can run up to 15/6 meters.
- HDCP and HDMI/DVI led indication.



### Applications:

The popularity of HDMI products over the years is now widely seen in today's commercial and residential environments. People usually have several HDMI displays and sources in a single place. As multiple HDMI inputs and outputs increase, the need for a HDMI matrix that will inter-connect these HDMI devices is becoming more eminent. HDMI V1.3 Matrix provides this excellent and convenient solution. It also features a variety of choices on where to play the images with an existing remote controller. Further, the HDMI V1.3 Matrix supports HDMI 1.3, HDCP 1.1 and DVI 1.0, and can transfer Deep Colour video and bit stream digital audio with maximum performance.

### Features:

- 4RU rack design for easy installation
- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports digital video formats in Deep Colour 10 bits and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS HD Master Audio) digital audio
- The HDMI input is compensated, clock / phase adjusted and jitter eliminated so the output is brand new standard HDMI signal
- Supports recall, memory and key lock function
- Compatible with all HDMI sources and displays
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- Supports RS-232 control and firmware upgrading through USB port
- Supports IR remote control and IR extender
- Dolby Digital, DTS digital audio transmission (32-192kHz Fs sample rate)
- Supports LPCM 7.1 channels output from each independent HDMI ports
- HDMI cable distance test with 1080p/8 bits can run up to 10/15 m while 10 bits resolution can run up to 10/10 m
- Independent switchable EDID function for choosing the native resolution to display
- High performance HDMI 1.3 Matrix with 8 (eight) inputs and 8 (eight) outputs with remote control for link up -HDMI devices to enjoying movies, music or games at once.
- Supports 38KHz IR extender
- Useful hot keys for quick set up
- Slide track with handles for easy store
- Firm housing structure with intensify placement allowing heat dispensing profoundly

B. **5**

## **DVI - DISTRIBUTORS & SWITCHERS**

<u>CDVI-4</u>	<u>pag. 142</u>
<u>CDVI-8</u>	<u>142</u>
<u>CDVI-31</u>	<u>142</u>
<u>CDVI-81</u>	<u>142</u>

## CDVI-4

1x4 DVI SPLITTER



### Applications:

CDVI-4 is a high performance HDCP compliant DVI distribution amplifier.

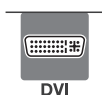
It allows same DVI or HDMI signal source to split up to four identical and buffered displays for multi-viewing purpose.

### Features:

- Built-in EDID and HDCP bypass ensures each output can be displayed independently.
- HDMI source and displays are compatible by using the HDMI to DVI adaptor cable.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p.
- Can be cascaded up to 3 layers.
- Each of the buffered output can run up to 15 meters.

## CDVI-8

1x8 DVI SPLITTER



### Applications:

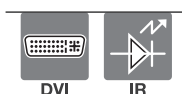
CDVI-8 is a high performance DVI distribution amplifier. It allows one DVI or HDMI signal source to split up to eight identical and buffered outputs for connecting to 8 DVI displays simultaneously.

### Features:

- Built-in EDID bypass ensures each output to work independently.
- When connecting to DVI display, HDMI source and displays are compatible by using the HDMI to DVI adaptor cable.
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480p to 1080p.
- Can be cascaded up to 3 layers.
- Each of the buffered output can run up to 15 Meters.

## CDVI-31

3-IN 1-OUT DVI SWITCHER



### Applications:

CDVI-31 DVI Switcher is a high performance switching box with remote. It is to be placed between your various DVI input sources and DVI display monitor.

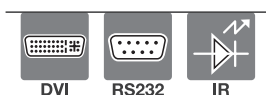
Simply pressing a button on the remote you can select your desired DVI source for display on the DVI monitor.

### Features:

- HDCP 1.1 and DVI1.0 compliant.
- The unit has the function of signal enhancer to improve signal quality after long distance transmission.
- LED indicators.
- Ideal for home theater integration.
- Supports high resolution input:  
PC: VGA, SVGA, XGA, SXGA, and UXGA (1600x1200) &  
HDTV: 480i, 576i, 480p, 576p, 720p, 1080i & 1080p @60Hz.
- Remote control.

## CDVI-81

8-IN 1-OUT DVI SWITCHER



### Applications:

CDVI-81 is a high performance DVI switcher with remote control. It allows your various DVI sources to share one DVI display.

Simply pressing one button to select your desired DVI source for display on the HDTV.

### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Signal Enhancement feature allows you to improve signal quality after long distance transmission.
- LED indicators.
- Ideal for home theater integration.
- Supports high resolution input:  
PC: VGA, SVGA, XGA, SXGA and UXGA (1600x1200) &  
HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Remote control.

# B.6

## **DP (DISPLAYPORT) - DISTRIBUTORS**

<u>CDP-13DPI</u>	<u>pag. 144</u>
<u>CMDP-13MDPI</u>	<u>144</u>
<u>CDPH-1S</u>	<u>144</u>

## CDP-13DPI

new

1x3 DISPLAYPORT SPLITTER



DP

AVAILABLE JUNE 2010

### Applications:

This DP Splitter can distribute the image into 3 destinations. It can work with any desktop or Notebook which has a single digital output port. Each output is able to display HD resolution up to 1920x1200 with uncompressed audio pass through.

### Features:

- Standards compliance DisplayPort 1.1a, VESA DDM Standard, HDCP 1.3 and EDID 1.4
- Supports main link rates of 2.7 Gbps (HBR) and 1.62 Gbps (RBR) from the source
- Supports up to 1920x1200
- Provides Secured Content Protection with HDCP 1.3 for digital content including video and audio

## CMDP-13MDPI

new

1x3 MINI-DISPLAYPORT SPLITTER



DP

AVAILABLE JUNE 2010

### Applications:

This mini DP Splitter can distribute the image into 3 destinations. It can work with any desktop or Notebook which has a single digital output port. Each output is able to display HD resolution up to 1920x1200 with uncompressed audio pass through.

### Features:

- Standards compliance DisplayPort 1.1a, VESA DDM Standard, HDCP 1.3 and EDID 1.4
- Supports main link rates of 2.7 Gbps (HBR) and 1.62 Gbps (RBR) from the source
- Supports up to 1920x1200
- Provides Secured Content Protection with HDCP 1.3 for digital content including video and audio

## CDPH-1S

new

DP TO HDMI CONVERTER / ADAPTER



DP

HDMI

### Applications:

More and more devices are deploying the DisplayPort (DP) interface instead of HDMI onto their graphics solution these days. When users wish to display on a large screen like HDTV or with an even more advanced monitor, he would need a device that can connect his DP source to his HDMI output display. Our latest "DP to HDMI mini converter adaptor" provides a quick and handy solution for this need. This adaptor is not only compliant with HDMI 1.3 specifications but it also has a remarkable frequency rate that can reach up to 2.7Gbps per lane. Inter-connecting your DP source with a HDMI display has never become as easy and convenient with our "DP to HDMI mini converter adaptor".

### Features:

- Converts low-swing alternative current (AC) in to HDMI
- HDMI V1.3 and DVI 1.0 compliant
- HDMI level shifting operating up to 2.7 Gbps per lane
- Plugs and runs without any software application

# B. 7

## SCAN CONVERTERS

<u>CPT-385A</u>	<u>p. 146</u>
<u>CPT-380RGB</u>	<u>146</u>
<u>CHD-380A</u>	<u>147</u>
<u>CM-388</u>	<u>147</u>

## CPT-385A

### PC TO VIDEO CONVERTER



#### Applications:

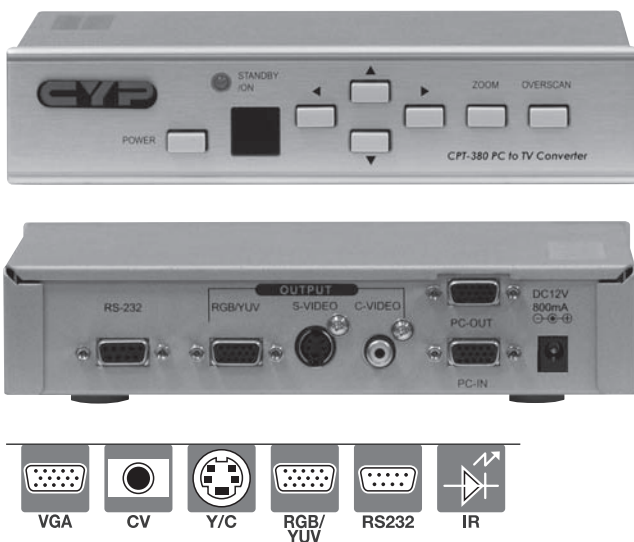
The CPT-385A PC to Video scan converter box is designed to convert a variety of computer images, from 640x480 up to 1600x1200, to interlaced NTSC or PAL video. It support output formats including composite and SVideo. It is ideal for use in applications like video conference, home theater, business presentation, lecturing room or viewing PC image on TV.

#### Features:

- Automatically detects and down converts the incoming PC images to NTSC or PAL.
- Support high resolution PC input up to UXGA (1600x1200@60Hz).
- Scale down PC video to Composite/S-Video.
- Switch between NTSC/PAL.
- Image Overscan/Underscan selection.

## CPT-380RGB

### PC TO VIDEO SCAN CONVERTER



#### Applications:

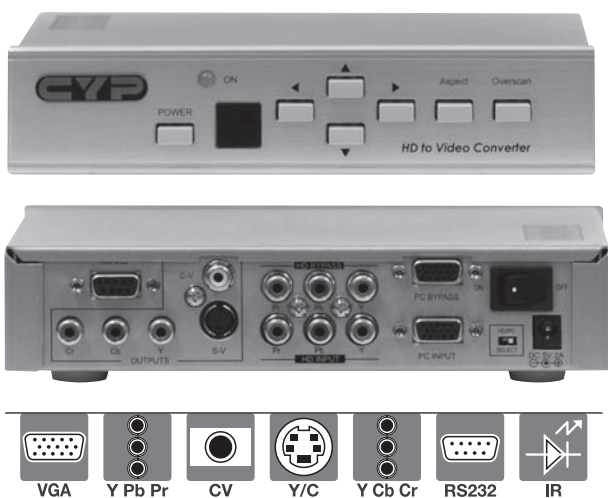
The CPT-380RGB PC to Video scan converter is designed to convert a variety of computer images, from 640x480 up to 1600x1200@60Hz, to interlaced NTSC / PAL / RGB or YUV. It is ideal for use in applications like video conference, home theater, business presentation, lecturing room or viewing PC image on TV.

#### Features:

- Automatically detects and down converts the incoming PC images to NTSC, PAL, RGB or YUV.
- Support high resolution PC input up to UXGA (1600x1200@60Hz).
- Output video format is selectable between composite/S-Video, YUV or RGB through a control button on the remote.
- Support high input refresh rate up to 140Hz (VGA).
- Adjustable images scaling.
- Pan, Position and Zoom.
- Advance 2-D flicker filter ensures flicker-free picture.
- Last memory.
- Adjustment and control through RS-232 interface.
- Useful functions, overscan, freeze, test pattern, magnifier.
- Remote control.
- OSD operation display.

## CHD-380A

### PC/HDTV TO VIDEO SCAN CONVERTER



#### Applications:

CHD-380A is a high performance and multi-format Video Scan Converter. It is designed to convert not only PC but also HDTV images to interlaced NTSC/PAL and component output. It is ideal for use in applications like video conference, home theater, business presentation, lecturing room or viewing PC/HDTV images on TV.

#### Features:

- Switch on the back to select PC or HDTV input and down converts to NTSC or PAL, CV, S-Video and Component outputs.
- Supports high resolution PC input up to UXGA (1600x1200@60Hz) and HDTV input up to 1080i@60Hz.
- Supports high input refresh rate up to 140Hz (VGA).
- Additional HD-15 and 3RCA connectors for looping through PC and HDTV input signal.
- Adjustable image scaling; Pan, Position and Zoom.
- Advanced 2-D flicker filter ensures flicker-free picture.
- Aspect adjustment for wide-screen HDTV Source.
- Adjustable contrast, brightness, color, sharpness.
- Last memory.
- Useful function-overscan, freeze, test pattern, magnifier.
- Adjustment and control through RS-232 interface.
- Remote control, OSD operation display.

## CM-388

### HDMI TO CV/SV CONVERTER WITH HDMI BYPASS



#### Applications:

The HDMI to CV/SV Converter is designed to convert digital signal from HDMI (or DVI + Coaxial) source to analog signal of NTSC or PAL system, with L/R stereo audio. Besides S-Video and Composite Video outputs, it also provides one bypass HDMI output to deliver original signal, and a Coaxial output to send S/PDIF digital audio to audio amplifier. The product provides a convenient application that user can watch high definition movie meanwhile record it (in standard resolutions 480i or 576i) to DVR or VCR machine.

#### Features:

- HDMI 1.2, HDCP1.1 and DVI1.0 compliant.
- Converts video signal from HDMI source to NTSC or PAL signal selectable.
- Converts digital audio from HDMI or Coaxial source to analog stereo audio.
- Accepts HDTV input of wide resolutions, from 480p to 1080p@60Hz (except 1080p@24Hz) and PC from VGA@60Hz to UXGA@60Hz.

**\*\*Note:** Sources signal also need to disable 1080p@24Hz resolution in order to avoid image corruption.\*\*

When the signal from HDMI or DVI source is protected by HDCP (Highbandwidth Digital Content Protection), the HDMI or DVI display needs to support HDCP to be able to show picture.

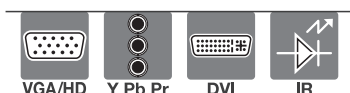
# B.8

## SCALERS

<u>CP-255D</u>	<u>p. 150</u>
<u>CSO-T2</u>	<u>150</u>
<u>CP-255I</u>	<u>151</u>
<u>CP-290</u>	<u>151</u>
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<u>CM-397</u>	<u>154</u>

## CP-255D

### PC/DVI TO PC/DVI UH BANDWIDTH DIGITAL SCALER



#### Applications:

An ideal company to your HDMI TVs, CP-255D/H is a professional universal scaler with ultra high bandwidth (205MHz). It accepts both analog and digital input and outputs a variety of scaled resolutions onto both simultaneously DVI and VGA outputs.

#### Features:

- Both digital and analog inputs are format converted and pixel re-scaled through the CP-255D. It outputs a big range of formats and resolutions that will easily match the native resolution/ format of your display to ensure highest picture quality
- Analog RGB Compliant input:
  - Supports PC RGB input up to WUXGA @60Hz
  - Supports HDTV RGB/YPbPr/YCbCr up to 1080p @60Hz
- DVI/HDCP/HDMI compliant input:
  - Operates up to 165Mhz (Up to UXGA @60Hz)
- Supports digital PC RGB output up to WUXGA @60Hz
- Supports digital HD output up to 1080p
- Dual 3-D motion video adaptive de-interlacers with adaptive edge-oriented adaptive algorithm for smooth low-angle edge
- The Proprietary Advanced Color Engine technology gives:
  - Brilliant and fresh color
  - Intensified contrast and details
  - Vivid skin tone
  - Sharp edge
  - Accurate and independent color control
- 3D noise reduction
- On-screen OSD menu control and remote control

## CSO-T2

new

### INSTANT HQV HDMI 1.3 SCALER BOX



#### Applications:

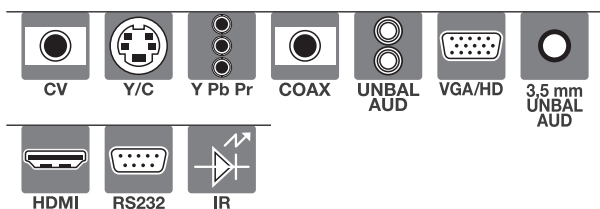
The Instant HQV HD Scaler box allows the user to maximize the full benefits of the today's High Definition DTV. Instant HQV uses the Industry leading HQV Realta Video Processor to convert standard definition content (PAL/NTSC) into crisp, detailed and artifact resolution of your DTV. This allows you to enjoy the full benefits of the high resolution by recreating the cinema like viewing experience as the original DVD content was intended. In addition, the HD inputs up to 1080i are vastly improved by the same industry leading HQV video processing to deliver crisp and noise free full HD video.

#### Features:

- 3 Analog (CV, Y/C and Y,Cb/Pb, Cr/Pr) with combined Audio and 2 digital (HDMI) inputs
- Twin Output, HDMI and Y,Pb, Pr
- 3D video decoder for optimal NTSC/PAL/SECAM video quality
- HDMI1.3 with Deep Colour and xvYCC (Extended-gamut YCC)
- True 10-bit HQV video processing
- AnyNoise-Automatically detects the different type of noise and applies the appropriate per pixel based noise reduction algorithm
- Lips sync audio delay
- HQV Detail Enhancement-Processes the input image quality to approach HD output image quality

## CP-255I

### CV/SV/HD/PC/HDMI TO HDMI SCALER BOX



#### Applications:

CP-255I Scaler Box is designed to upscale digital/analog video signal from Composite, S-Video, PC, Component (HD) and HDMI input sources, to digital HDMI output of wide-range HDTV and PC resolutions, up to 1080p and WUXGA (1920x1200).

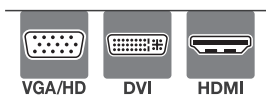
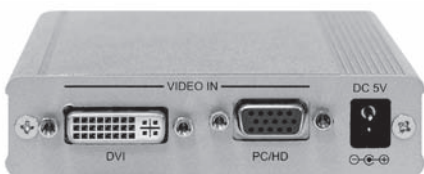
Besides video upscaling, the scaler box also converts digital/analog audio signal to digital format, then output either through HDMI combining with the video, or Coaxial S/PDIF separately. CP-255I has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- Scales any PC (VGA~WUXGA) / HD (480i~1080p) resolutions to/from another PC/HD resolutions
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected
- Supports 50/60Hz frame rate conversion
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level, and aspect ratio size
- Supports high resolution input/output:  
PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA  
HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p
- Adjustment and control through RS-232 interface
- IR remote control, OSD operation display

## CP-290

### PC/HD/DVI AND AUDIO TO HDMI SCALER BOX



#### Applications:

This Scaler Box is design to display your PC/HD images on the HDTV with better viewing image. It can upscale PC/DVI input sources to HDMI output for wide-range PC/HD resolutions; the resolutions support XGA/UXGA/720p/1080p. This unit allows user to select a variety of output resolutions and adjust for the best picture quality. Further, it also transfer sounds through HDMI for user to enjoy both HD images and sounds consistently.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- Support PC/HD resolution input:
  - DVI: VGA~WUXGA
  - PC: VGA~WUXGA
  - HD: 480i~1080p50/60 Hz
- Scale any PC/HD resolutions to XGA/UXGA/720p/1080p resolutions
- Support PC&DVI to HDMI output
- Transfer L/R and coaxial sounds to HDMI
- Input and output selection bottoms for easy and quick function chose
- **Doesn't support frame rate conversion**

## CP-295N

### CV/SV TO HDMI SCALER BOX



#### Applications:

CP-295N is designed to upscale analog video signal from CV/SV input Source to digital HDMI output of wide range HDTV and PC resolutions Up to 1080p. Besides video upscaling, CP-295N also converts digital/analog audio signal to digital/analog format, then output to HDMI combining with the video, TOSLink and Jack simultaneously. OSD menu allows user to select a variety of out resolutions and adjust for best picture quality.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Automatically detects the factory setting of the connected display and output the corresponding resolution and refresh rate, when the native output is selected.
- Supports 50/60 frame rate conversion.
- Supports 3-D motion video adaptive, 3-D de-interlacing and 3:2/2:2 pull down detection and recovery.
- Provides picture adjustment and aspect ratio size.
- Supports high resolution output: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA and 480i, 576i, 480p, 576p, 720p, 1080i, 1080p.
- Audio input selectable by OSD menu.
- Audio output to HDMI, TOSLink and jack simultaneously.

## CP-293

### PC AND AUDIO TO HDMI SCALER BOX



#### Applications:

This Scaler Box is designed to upscale analog video signal from PC input source to digital HDMI output of wide-range HDTV and PC resolutions, up to 1080p/WUXGA. Besides video upscaling, the scaler box also converts digital/analog audio signal to digital/analog format, then output to HDMI combining with the video, TOSLink (optical fiber), and phone jack (L/R audio) simultaneously. This unit has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- Scales any PC resolutions to PC (VGA ~ WUXGA)/ HD (480i ~ 1080p) resolutions.
- Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size.
- Supports high resolution output (See section 6.2 "Support Resolution" for reference):
  - PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.
  - SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p
- Supports stereo LPCM analog/digital audio input and stereo LPCM analog/digital output. Simply select among the audio input sources in the OSD menu, then output the audio to HDMI, TOSLink and phone jack simultaneously.

## CM-348

### VIDEO TO DVI-I SCALER BOX



#### Applications:

CM-348 is designed to convert Composite Video, S-Video, YCbCr, and RGB signals to a variety of computer and HDTV resolutions. It accepts video input of all video systems-NTSC, PAL and SECAM. CM-348 has many great features to upgrade video source to high resolution PC or HDTV quality and is ideal for use in professional large screen presentation.

#### Features:

- Supports out formats up to SXGA and 1080i.
- Video inputs are 3D de-interlaced and scaled up to PC or HDTV output resolution.
- Automatically accommodates worldwide input video systems of NTSC, PAL and SECAM.
- High performance adaptive digital 4H Comb filter Y/C separator with adjustable vertical peaking.
- Motion compensated deinterlacing algorithms to produce artifact-free progressive scan video signal.
- Built in adaptive film mode 3:2/2:2 pull-down provides clear and crisp de-interlacing of video originating from 24 fps film, such as DVD movies.
- Frame rate up conversion from 50 up to 85Hz.
- Vertical temporal filter (VT) removes jaggy and other de-interlacing artifacts from normal video.
- OSD menu with adjustable control on Color, Sharpness, Brightness, Contrast and Tint (NTSC).
- Last memory for all adjustments.

## CM-1391

### VIDEO TO DVI-I SCALER BOX



**Warning:** The unit doesn't accept CV or Y/C input fast signal switching. Interval of 1 second is recommended.

#### Applications:

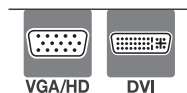
CM-1391 is designed to convert Composite and S-Video to DVI-I/HDTV output format. Compatible with NTSC and Pal. It's ideal for use in professional large screen presentation.

#### Features:

- Motion adaptive 3D Y/C separation comb filter (for composite video input).
- 3D (frame Based) motion adaptive YNR/CNR noise reduction (for Y/C video input).
- Advanced 3D motion adaptive deinterlace.
- Automatic 2:2/3:2 film mode detection.
- Supports 50Hz to 60Hz frame rate conversion.
- Video quality improvement:
  - DCT1 (Digital chroma transient improve),
  - DLT1 (Digital luminance transient improve),
  - Black level extension.
- Average picture level (APL), Automatic contrast limiter (ACL) function supported.
- OSD menu for picture quality adjustment.
- Built in 8-bit DAC for RGB or YPbPr output.
- Front Panel and IR remote control.
- Automatic NTSC/PAL video format detection and switching.
- Up to WUXGA (1920x1200) 60 Hz.
- Up to 1080p 50 or 60 Hz ( follows input source).

## CP-252

### VGA TO DVI-I SCALER BOX



#### Applications:

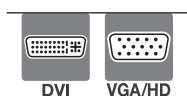
CP-252 is a high performance PC/HDTV two-way scaler that accepts analog RGB input (VGA) and converts to DVI-I (digital+analog RGB) output. It also outputs Apple iMAC 1680x1050 at 60Hz resolution.

#### Features:

- Supports out formats up to SXGA and 1080i.
- The input is analog PC or HDTV signal in the format of either RGBHV, YPbPr or YCbCr.
- The output is digital+analog PC or HDTV signal in the format of digital RGBHV bitstream plus analog RGBHV, known as DVI-I (Integrated digital and analog)
- The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48MB frame memory for frame rate conversion.
- Output picture adjustment on brightness, contrast, color, RGB level and H-V position.
- DVI output enables an all digital rendering of video without the losses associated with an analog interface and is an ideal for use with digital display such as LCD, Plasma and DLP projectors.
- A DVI-I to VGA adaptor is included to transfer the analog RGB output contained in the DVI-I connector into HD-15 VGA connector so that the output can also connect to any display units that has VGA input.

## CP-253

### DVI TO VGA SCALER BOX



#### Applications:

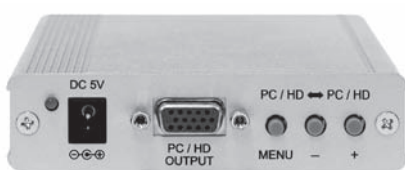
CP-253 is a high performance PC/HDTV two-way scaler which accepts Digital DVI-D input and converts to Analog RGB output.

#### Features:

- Supports out formats up to SXGA and 1080i.
- The input to the CP-253 is digital PC or HDTV signal in the format of either RGBHV or YPbPr / YCbCr data bitstream via 24-pin DVI connector.
- The output of the CP-253 is Analog PC or HDTV signal in the format Analog RGBHV or YPbPr via a HD-15 VGA connector.
- The input resolution is automatically detected while the output resolution and refresh rate can be selected through OSD menu and front panel push buttons.
- 48MB frame memory for frame rate conversion.
- Output picture adjustment on Brightness, Contrast, Color and H-V position.

## CP-291

### PC/HD TO PC/HD SCALER BOX



VGA/HD

#### Applications:

This Scaler Box is designed to upscale PC/HD input sources to PC/HD output of wide-range PC/HD resolutions; the resolution is up to WUXGA/1080p. This unit has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality.

#### Features:

- Scales any PC/HD resolutions to PC (VGA ~ WUXGA)/HD (480i ~ 1080p) resolutions.
- Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB (color tone) level and aspect ratio size. Supports high resolution output:  
PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA.  
SD/HD: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Supports YPbPr/RGBHV input/output.

## CM-1390

### VIDEO TO PC/HD SCALER BOX



CV

Y/C

VGA/HD

**Warning:** The unit may not accept CV or Y/C input fast signal switching. Interval of 1 second is recommended.

#### Applications:

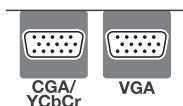
This is designed to convert Composite and S-Video to a variety of computer and HDTV resolutions. It handles video input from TV systems of NTSC, PAL TV standards.

#### Features:

- Motion adaptive 3D Y/C separation comb filter (for composite video input).
- 3D (frame Based) motion adaptive YNR/CNR noise reduction (for Y/C video input).
- Advanced 3D motion adaptive deinterlace.
- Automatic 2:2/3:2 film mode detection.
- Supports 50Hz to 60Hz frame rate conversion.
- Video quality improvement:  
DCT1 (Digital chroma transient improve),  
DLT1 (Digital luminance transient improve),  
Black level extension.
- Average picture level (APL), Automatic contrast limiter (ACL) function supported.
- OSD menu for picture quality adjustment.
- Built in 8-bit DAC for RGB or YPbPr output.
- Front Panel and IR remote control.
- Automatic NTSC/PAL video format detection and switching.
- Up to WUXGA (1920x1200) 60 Hz.
- Up to 1080p 50 or 60 Hz (follows input source).

## CM-397

### CGA/YCbCr TO PC RESOLUTION



CGA/YCbCr

VGA

#### Applications:

The CM-397 converts CGA (RGB or YCbCr format) to 3 PC resolutions- VGA/XGA and WXGA. It enables you to connect your RGB or YCbCr signal source such as game boards to a PC display.

#### Features:

- Accepts RGB or YCbCr format and converts to PC format.
- Scales CGA/480i/576i up to VGA/XGA/WXGA PC resolution.
- 50/60Hz frame rate conversion ensures glitch-free display.
- RGB input formats are auto detected and can be RGBHV, RGB H+V or RGB (Sync. on G).
- Play video games on your PC monitor.
- Automatic 3:2/2:2 film mode detection.
- High-resolution output picture.
- Plug & Play- No driver software required, easy to install.
- Palm size.

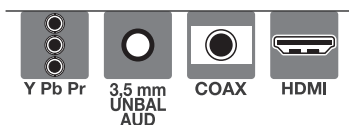
# B.9

## SIGNAL FORMAT CONVERTERS

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<u>CP-261HS</u>	<u>156</u>
<u>CP-268S</u>	<u>156</u>
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<u>CP-1261D</u>	<u>157</u>
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## CP-281H

### YPbPr/YCbCr+AUDIO TO HDMI CONVERTER



#### Applications:

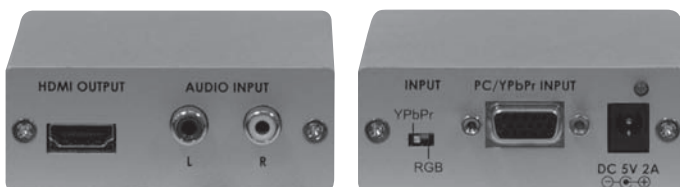
CP-281H is a YPbPr/YCbCr+Audio to HDMI Converter, which allows you to convert the YPbPr/YCbCr and digital/analog audio output from a DVD Player or Set-top-box equipment to feed the digital HDMI input of a HDTV display. It supports high definition input/output up to 1080p. The output rate is the same of the incoming input.

#### Features:

- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Supports a wide range of resolution: 480i/480p/576i/576p/720p/1080i/1080p@60 Hz.
- Supports digital audio input through coax cable, or analog audio input through L/R audio cable.

## CP-261HS

### PC/HD WITH AUDIO TO HDMI FORMAT CONVERTER



#### Applications:

The CP-261H converts analog PC/RGB or HD YPbPr and their associated audio source to digital HDMI format. It enables you to connect your PC VGA out or DVD YPbPr out to the HDMI input of the new HD ready HDTV. The output rate is the same of the incoming input.

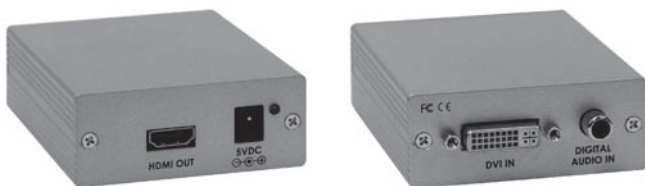
#### Features:

- Improves video display quality by utilizing the new high definition HDMI interface.
- Add HDMI output to your PC or YPbPr video sources.
- Input YPbPr/RGB switchable.

## CP-268S

new

### DVI-I + COAXIAL TO HDMI CONVERTER



#### Applications:

This converter box is designed to convert DVI/Coaxial to HDMI output. It allows users to connect the DVI source and digital audio to a HDMI digital display. This converter box also amplifies signal for incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.

#### Features:

- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- Supports DVI/Coaxial input and HDMI output
- Input format auto detection: Digital RGB or YPbPr
- Optical input supports LPCM 2CH, Dolby Digital 5.1CH and DTS 5.1CH digital audio
- Operation Frequency: 165MHz
- Frequency Bandwidth: 1.65Gbps (single link)
- Supports audio sampling frequencies: 32, 44.1 and 48kHz
- Supports high resolution input/output: PC: up to UXGA 60Hz; HD: up to 1080p 60Hz
- Easy to install and to operate

## CDPH-1S

new

### DP TO HDMI CONVERTER / ADAPTER



#### Applications:

More and more devices are deploying the DisplayPort (DP) interface instead of HDMI onto their graphics solution these days. When users wish to display on a large screen like HDTV or with an even more advanced monitor, he would need a device that can connect his DP source to his HDMI output display. Our latest "DP to HDMI mini converter adaptor" provides a quick and handy solution for this need. This adaptor is not only compliant with HDMI 1.3 specifications but it also has a remarkable frequency rate that can reach up to 2.7Gbps per lane. Inter-connecting your DP source with a HDMI display has never become as easy and convenient with our "DP to HDMI mini converter adaptor".

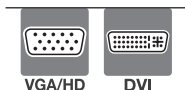
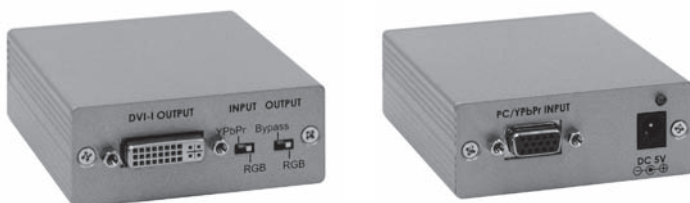
#### Features:

- Converts low-swing alternative current (AC) in to HDMI
- HDMI V1.3 and DVI 1.0 compliant
- HDMI level shifting operating up to 2.7 Gbps per lane
- Plugs and runs without any software application

## CP-1261D

new

### PC/YPbPr TO DVI-D CONVERTER



#### Applications:

This is a PC/HD to DVI-D format converter box. This box can convert and upgrade your display image from analog into digital leaving the rate unchanged. Whether your sources comes in from PC or traditional RGB signal through the PC/HD to DVI Format Converter, the image will be transformed into DVI signal.

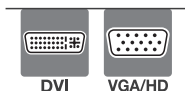
#### Features:

- Connect computers with analog PC output or DVDs with HD output (YPbPr) to digital DVI-D monitors or projectors
- Select input between analog RGB and YPbPr manually.
- Select output between Bypass or digital RGB manually.
- Supports up to UXGA 60 Hz for PC input and 1080p 60 Hz for HD input
- Built-in EDID

## CP-1262DE

new

### DVI-D TO PC/YPbPr CONVERTER



#### Applications:

This box is designed to convert digital DVI-D to Analog PC/RGB or HD YPbPr output. It enables the DVI sources display through analog PC monitor, Projector or TV.

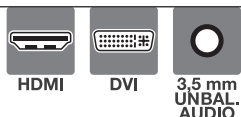
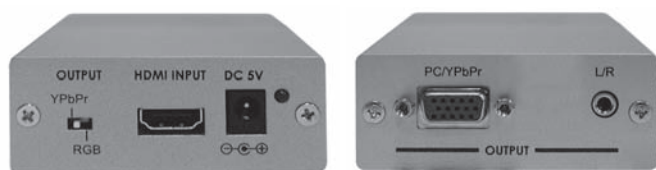
#### Features:

- Supports DVI-D input and Analog PC/RGB or HD YPbPr output
- Output selection between YPbPr and RGB
- Supports input/output resolution as below:  
PC: up to SXGA and WXGA 60Hz  
HD: up to 720p 60Hz
- Note:  
1) Due to the limitation of Tri-level synchronies output the image will shift to the left side of the screen when component output is at 720p  
2) If DVI source includes HDCP protection, destination would not show the image properly

## CP-1262HE

new

HDMI TO PC/YPbPr CONVERTER WITH ANALOG AUDIO OUT



### Applications:

This box is designed to convert digital HDMI to Analog PC/RGB or HD YPbPr output. It enables the HDMI sources display through analog PC monitor, Projector or TV. Its high bandwidth capability supports a wide range of PC and HDTV resolutions. **The device cannot manage HDMI with HDCP content protection.**

### Features:

- HDMI 1.3 Compliant
- Supports HDMI input and Analog PC or SD/HD output
- Output selection between YPbPr and RGB
- Supports input/output resolution as below:  
PC: up to UXGA 60Hz and WUXGA (1920x1200) 60Hz  
HD: up to 1080p 60Hz

**Note:** Due to the limitation of Tri-level synchronies output the image will shift to the left side of the screen when component output is at 720p/1080i/1080

## CP-283HD

DUAL HDMI TO HD COMPONENT CONVERTER



### Applications:

CP-283HD is an HDMI to component (YCbCr/YPbPr) Converter with audio output. It allows you to switch between 2 HDMI sources and convert it to component and analog audio (L/R) or digital audio (Co-axial) output at the same time.

It supports high definition up to 1080p, and output resolution follows input. The output rate is the same of the incoming input.

### Features:

- Compliant with HDMI 1.2, HDCP 1.1 and DVI 1.0 specifications.
- Supports a wide range of resolutions: 480i/480p/576i/576p/720p/1080i/1080p@60Hz.
- Supports digital audio input through coax cable, or analog audio input through L/R audio cable.
- IR remote control.
- HDCP not managed. When input is HDCP encrypted (protected) the component out will be turned off.

## CDM-150

VIDEO SYSTEM CONVERTER



### Applications:

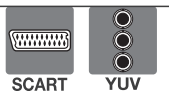
CDM-150 Video system converter is designed to convert SC/PAL/SECAM input source to NTSC/PAL display. It support output formats switch for NTSC or PAL. The user can easily to install and use in NTSC/PAL display.

### Features:

- Supports digital conversion from NTSC/PAL/SECAM to NTSC/PAL.
- To convert between 525 lines and 625 lines.
- To convert refresh frequency between 60Hz and 50Hz.
- Built in Color bar.
- Output with Macovision signal when input Macrovision signal is detected.
- System with 8 Mb field memory.

## CSY-2100

SCART TO Y-U-V CONVERTER



### Applications:

SCART to Y-U-V Converter.

### Features:

- Converts scart RGB to YUV with RCA output jacks.
- Operates in PAL, PAL M, PAL N, NTSC, NTSC 4.43, SECAM.
- Enhances picture quality by utilizing Y,U,V input your TV.
- Ideal for use with TVs that have YUV input.

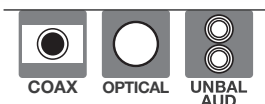
# B. 10

## AUDIO PROCESSOR

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## DCT-3 new

### COAXIAL/OPTICAL TO L/R AUDIO CONVERTER



#### Applications:

DCT-3 is a Coaxial/Optical to L/R audio converter box. It accepts digital audio signal input through either Coaxial or Optical input via a switch, and converts it to analog audio signal (L/R) output.

#### Features:

- Supports digital audio signal (Coaxial/Optical) input and convert it to analog audio signal (L/R) output
- Integrated digital interpolator filter and Digital to Analog Converter (DAC)
- Supports non-compressed digital stereo audio input.
- Compact size and easy to install

## DCT-6S new

### ANALOG I/O SRS VOLUME LEVELER



#### Applications:

The SRS TruVolume(TM) accessory Box regulates TV-channel volume to the most comfortable listening level. Preventing disturbing fluctuations while you channel surf, as well as keep under control those obnoxious commercials. When the volume is set to a lower level, you could still hear every detailed sound.

#### Features:

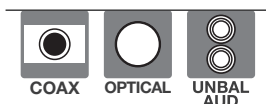
- Simple Operation "ON/OFF"
- Simple connection for easy installation (Stereo analog in/out, Power)
- Supports Line Level inputs up to 2Vrms and Line Level Outputs up to 1Vrms, via stereo RCA jacks
- Regulates TV/Satellite/Radio broadcast volume levels, so you don't have to adjust it constantly when you change channels
- Helps the hearing impaired by keeping channels at a consistent volume level so the audiences can hear everything clearly while not disturb the others in the room
- Boosts low and high-frequency content dynamically (20-bands/ch), using an advanced psychoacoustic modeling engine

**DCT-8S****new***DIGITAL SRS TRU/VOLUME HDMI 1.3 VOLUME LEVELER***Applications:**

This most advanced HDMI to HDMI audio repeater and decoder incorporating SRS TruVolume™ technology will free you from volume fluctuations when switching TV channels. This device is HDMI v1.3 compliant and can transfer deep colour video with high bandwidth up to 225MHz. It also does signal amplification with equalization for repeater function. The device will prevent annoying fluctuations from obnoxious commercials or bursting sounds from action scenes. Although it maintains a satisfactory volume level, it will not make you miss any sounds during low tone conversations or light orchestra. The HDMI SRS TruVolume processor is definitely the best choice for your sounding and viewing pleasure.

**Features:**

- HDMI v1.3, HDCP v1.1 and DVI v1.0 compliant
- Supports high definition input up to 1080p@24/60 Hz, output resolution follows input
- Support HDMI signal amplification and equalization output for repeater function
- Supports 2 channels audio from HDMI input to HDMI output ports
- Integrated HDCP encryption for transmitting protected audio and video content
- Support CEC (Consumer Electronic Control) bypass
- Regulates TV / Satellite / Radio broadcast volume level
- Auto adjust volume to your best hearing acceptance
- Boosts low and high-frequency content dynamically, using an advanced psychoacoustic-modeling engine making the entire listening experience come alive, regardless of the audio level
- HDMI cable distance test with 1080p/8 bits resolution, the input/output source can run up to 15/10 meters and 1080p/12 bits can run up to 10/15 meters
- Simple connection and easy installation, no software require

**DCT-9****new***A/D AND D/A AUDIO CONVERTER***Applications:**

DCT-9 is an audio converter that provides a big variety of audio formats/interfaces.

With three different types of bidirectional connectors namely optical, coaxial and L/R, the DCT-9 can convert all three signals into any preferred format.

Analog audio signal input can be converted into digital output, and digital audio signal input into analog output. The 3 outputs as Optical, coaxial and L/R are simultaneously present independantly from the selected input. DCT-9 is the best choice of audio enthusiasts and professionals looking for a compact, flexible, elegant, and user friendly audio converter.

**Features:**

- Integrated digital interpolator filter and Digital-to-Analog Converter (DAC)
- Integrated Analog to Digital Converter (ADC)
- Supports sampling frequencies from 16 - 100 kHz
- Provides electromagnetic noise-free transmission
- Easy to install and operate
- Compact size with elegant design

# B. 11

## GENERATORS

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## CPA-1

### PC/HDTV PATTERN GENERATOR



#### Applications:

CPA-1 is high performance PC/HDTV test pattern generator that provides over 20 most-often-used test patterns that can be used as an industrial-standard signal source for testing, broadcasting and troubleshooting.

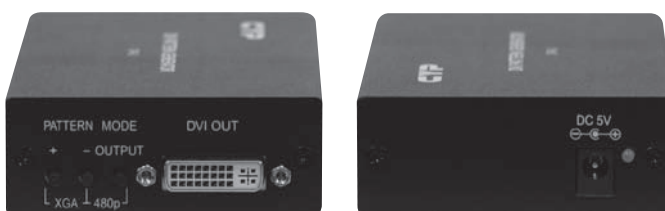
It is ideal for use with LCD, PDP, CRT monitors or projectors that equipped with PC or DVI input.

#### Features:

- The output format is analog RGBHV/YPbPr via HD-15 VGA connector.
- Provides a wide range of PC/HDTV output resolutions.
- Generates 27 test patterns including most useful test patterns in Video/PC industry, such as Color bar, Multiburst, Circle, Crosshatch...
- OSD indicates output resolution and refresh rate.
- Output can be reset to one of the two factory default modes: 1024x768 or 720p.
- Selectable output refresh rate up to 85 Hz.
- Output resolutions up to SXGA and 1080i.

## CPA-2

### DVI PATTERN GENERATOR



#### Applications:

CPA-2 is high performance PC/HDTV test pattern generator that provides over 20 most-often-used test patterns that can be used as an industrial-standard signal source for testing, broadcasting and troubleshooting.

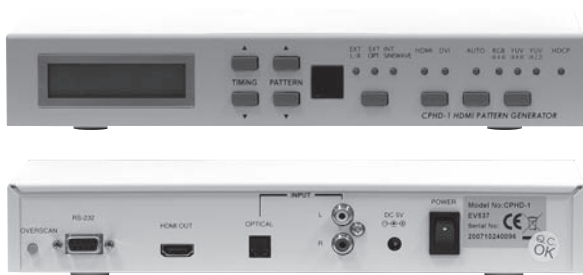
It is ideal for use with LCD, PDP, CRT monitors or projectors that equipped with PC or DVI input.

#### Features:

- The output format is digital RGB data bitstream via 24-pin DVI connector.
- Provides a wide range of PC/HDTV output resolutions.
- Generates 27 test patterns including most useful test patterns in Video/PC industry, such as Color bar, Multiburst, Circle, Crosshatch...
- OSD indicates output resolution and refresh rate.
- Output can be reset to one of the two factory default modes: 1024x768 or 720p.
- Selectable output refresh rate up to 85 Hz.
- Output resolutions up to SXGA and 1080i.

## CPHD-1

### HDMI PATTERN GENERATOR



#### Applications:

CPHD-1 HDMI Pattern Generator is a handy tool for evaluation and testing of displays/panels. With the combination of its various timings, patterns and color spaces, CPHD-1 can provide up to 4095 types of video testing signals. Besides video patterns, the generator also supports 3 types of audio testing signal, one built-in shine wave, one external analog audio, and one external digital audio input through S/PDIF. The control over CPHD-1 is simple yet comprehensive, as you can use the on-panel buttons or remote controller to select from the timings, patterns, color spaces, DVI/HDMI output, and audio signal type, while you can also choose to use the bundled Windows software application to perform advanced control, such like timing/pattern programming, EDID reading and writing.

#### Features:

- Provides total 35 Timings and 39 Patterns.
- Supports HDCP signal verification pattern (P39).
- On-panel LED display and LED indicators.
- Remote control.
- Supports RS-232 control, specific PC application included.
- Output resolutions up to 1080p.

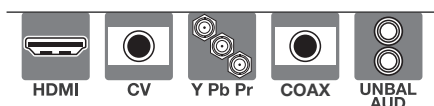
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## MISCELLANEOUS

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## CID-4 new

## iPOD / iPHONE INTERFACE / ADAPTER



AVAILABLE OCTOBER 2010

### Applications:

Enjoying your iPod/iTouch/iPhone video and audio contents with large screen TV is no longer impossible with this multi-functional docking station converter. This device allows HDMI, CV, component, coaxial and iPod/iTouch/iPhone inputs sources to output HDMI, VGA and L/R. The converter can scale digital or analog signal into HDMI output with resolution up to 1080p and VGA output with resolution up to 1920 x1200.

### Features:

- HDMI v1.2, HDCP 1.1 and DVI 1.0 compliance
- Support iPod/iPhone standard 30 pin connector with audio, video and USB charging function
- Scale iPod/iPhone or external SD/HD video source to HDMI or VGA output
- Auto input source selection
- Support PCM, Dolby Digital and DTS
- Support audio sampling rate up to 192 KHz

## CDL-160ETH new

## ETHERNET AND USB TO HDMI CONVERTER



### Applications:

The Ethernet and USB to HDMI Converter allow users to use TV as the PC primary display with keyboard and mouse at hand for Internet browsing, using Microsoft Office, listening music and watching movies from a PC on the network. Simply connect the TV to the device and then plugging the device into an Ethernet network, this TV instantly become the PC monitor with keyboard and mouse for any computer on that network. The device will enable this TV to be used as if it was directly connected to the computer. The distance between TV and computer can be 100 meters apart within the same LAN. The device removes the limitations of running expensive audio and video wiring in long distance digital signage extending. All that is needed is an Ethernet network. Multiple users will have the ability to access the same TV without physically connect with computers. This will eliminate the distance limitations of conventional audio and video cabling for easy AV sharing between computers.

### Features:

- Move the complete PC operation environment into TV with 100 meters away from computer. Original PC monitor can show different content with TV
- Allow TV as the PC primary display with keyboard and mouse at hand for Internet browsing, using Microsoft Office, listening music and watching movies from a PC on the network
- Extend or mirror video through network or USB cable to HDMI display, including both video and audio output signals
- Share HDMI displays with multiple users through your existing office or home IP network
- Add a HDMI display to your computer through a USB 2.0 port
- Supports mirror and extended video modes
- Friendly interface for easy configuration and monitoring
- Software Control provided

## CPP-12H / CPP-16H

### 12 OR 16 HDMI FEMALE TO FEMALE PATCH PANEL



HDMI

#### Applications:

CPP-12H and CPP-16H are 12 and 16 HDMI female to female couplers Patch Panels. These useful structured devices help you with organizing your complex HDMI circuit system. They permit to connect up to 12 or 16 sources to correspondent devices in a neat and tidy state. Cables runs can be quick and easy identified by clear numbering on the front of the panel.

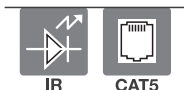
- HDMI systems connection.
- HDMI extender connection.
- HDMI multi-display connection.

#### Features:

- Used to connect HDMI cables in a 19" equipment rack.
- Heavy gauge steel and grit blast coating provides durability.
- Industry standard 2U panel height will fit most racks.
- With high quality HDMI connectors to ensure minimal signal loss.
- Includes a bracket for easy mounting.
- Great configurable solution for setting up a network.

## CIR-12 / CIR-03

### CAT5 INFRARED EXTENDER KIT



IR

CAT5

#### Applications:

CIR-12 and CIR-03 are a couple of devices that performs the IR Transmission through CAT5 cable. Only one device must be powered and it feeds the companion. This kit permits the user to control and display the desired sources instantly without limitation to distance up to 250 m.

CIR-12 is the transmitter that sends the signal of the incoming IR receiver through the CAT5 cable.

In the meanwhile, it provides to drive 2 local destinations by 2 IR outputs.

CIR-03 is the receiver that recognize the IR signal incoming by CAT5 cable and drives up to 3 destinations by 3 IR outputs. The receiver and the five IR transmitters are provided with the kit.

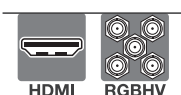
#### Features:

- Support five (5) output (3 from CIR-03, 2 from CIR-12).
- Control source equipments anywhere within 250 meters, even through walls and ceilings.
- Send No audio/video, but just infrared signals.
- Using existing remote controls.
- One IR Receiver only.
- IR Receiver's frequency must be at 38 KHz.

## CAC-TXA/RXA

new

### 5 COAX HDMI TRANSCEIVER



#### Applications:

CAC-TXA/RXA is an Active Connect Multimedia Transmitter and Receiver Box through 5 coax cables, that permits long distance displaying of your game/player devices to your HDMI displayer. For optimum performances the length of the 5 coax cables have to be **strictly** the same.

#### Features:

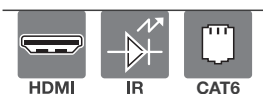
- Compliant with HDMI 1.3 and DVI 1.1
- Higher data rates enabling new features and applications
- New and improved colour gamut (i.e. deep colour xvYCC)
- HD audio (8 channel audio support)
- High Resolutions from PC up to WUXGA (1920 x 1200), HDTV up to 1080p/12 bit
- Supports CEC
- Receiver with power setting (external by PS or internal by coax)
- Supports seamless for VESA DDC, CEC and Hot Plug Detect (HPD)
- The RG6 type 75  $\Omega$  can run up to 100m at 720p or **50m at 1080p** (Note 1)
- The RG59 type 75  $\Omega$  can run up to 50 m at 480p or 30 m at 720p
- Supports xvYCC (Extended-gamut YCC)
- Easy to install and to operate

**Note 1:** RG6 (AWG18 solid) can replace the smaller RG59 (AWG23) in CATV and domestic applications for better performances. Cables smaller than AWG23 are not recommended for this application.

## CH-1106TX/RX

new

### HDMI 1.3 TO CAT6 TRANSCEIVER



#### Applications:

The HDMI 1.3 transmitter and receiver over CAT6 is an extension tool for your long distance HDMI display needs. Instead of using expensive HDMI cables, your existing CAT6 cables/sockets can replace HDMI cables while performing the same functions like transfer Deep Colour (12 bits/colour) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio, at a bandwidth of up to 225MHz. Moreover, you can use your existing remote control to control your device over a 30/45 meters distance through the IR blaster. Our HDMI 1.3 Transmitter and receiver is your ideal choice when looking for a HDMI extender. For best performances, **CAT6 AWG23 solid** is recommended (**Note 1**).

#### Features:

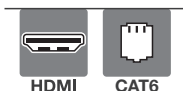
- Complies with HDMI 1.3, HDCP 1.1 and DVI1.1 standards
- Supports digital video formats in Deep Colour Mode at up to 36 bits (12bits/colour) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio
- Supports CAT6 cables for data/DDC transmission
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality
- Supports high definition resolution, at 1080p/8bits distance can reach 45 m with CAT6 AWG23
- Supports CEC bypass
- Supports xvYCC (Extended-gamut YCC)
- Supports IR Receiver & IR Blaster
- Supports full range of IR frequencies from 20~60 KHz

**Note 1:** The receiver CH-1106RX can be ordered to be used as receiver box to interface the outputs of CLUX-1H4CAT, CLUX-1H8CAT and CMLUX-4H4CAT

## CH-107 TX/RX

new

### HDMI 1.3 TO ONE CAT6 TRANSCEIVER



AVAILABLE OCTOBER 2010

#### Applications:

The HDMI 1.3 transmitter and receiver over **one only** CAT6 is an extension tool for your long distance HDMI display needs. Instead of using expensive HDMI cables, your existing CAT6 cables/sockets can perform the same functions like transfer Deep Colour (12 bits/colour) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio, at a bandwidth of up to 225MHz. For best performances, **CAT6 AWG23** solid is recommended.

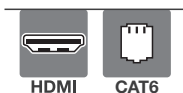
#### Features:

- Complies with HDMI 1.3, HDCP 1.1 and DVI1.1 standards
- Supports digital video formats in Deep Colour Mode at up to 36 bits (12bits/colour) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio
- Supports one only CAT6 cables for data/DDC transmission
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality
- Supports high definition resolution, at 1080p/8bits distance can reach 45 m with CAT6 AWG23
- Supports CEC bypass
- Supports xvYCC (Extended-gamut YCC)

## CLUX-1H4CAT

new

### 1x3+1 HDMI 1.3 TO CAT6 SPLITTER



#### Applications:

The HDMI 1.3 Splitter over CAT6 has many combinations of products that allows users to make use of according to their need. This solution provides a direct input of one HDMI to one direct output of HDMI (OUT 1), and 3 CAT6 outputs that allows users to link up a source to display in 4 different screens simultaneously. Alternatively, the HDMI output can be treated as an extender to connect to another HDMI splitter or cascade with other unit in multiple layers. Due to the mass usage of the CAT6 system and the information allowance through the CAT6, this design leaves users to display many types of information without compressed the signal and display through long distance. Not only so, it also has some extra functions like EDID, System reset, Deep colour and IR systems. For best performances, **CAT6 AWG23** solid is recommended.

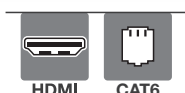
#### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant
- Supports Deep colour video up to 12bit, 1080p@60Hz
- One HDMI source to connect up to 1 HDMI and 3 CAT6 that allows users to link up to 4 displays simultaneously
- HDCP keysets allows each output to work independently when connecting to a HDMI display
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master
- Audio transmission (32-192kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- HDMI cable distance test with 1080p resolution: OUT1 can run up to 10m
- Selects EDID from TV mode or STD mode
- Deep colour setting of 8 bit or 12 bit
- IR remote control
- System reset function
- Supports high definition resolution, at 1080p/8bits distance can reach 45 m with CAT6 AWG23

The receiver CH-1106RX must be ordered to be used as CAT6 receiver box.

MISCELLANEOUS

12



#### Applications:

The HDMI 1.3 Splitter over CAT6 has many combinations of products that allows users to make use of according to their need. This solution provides a direct input of one HDMI to one direct output of HDMI (OUT1) and 7 CAT6 outputs that allows users to link up a source to display in 8 different screens simultaneously. Alternatively, the HDMI output can be treated as an extender to connect to another HDMI splitter or cascade with other unit in multiple layers. Due to the mass usage of the CAT6 system and the information allowance through the CAT6, this design gives users the ability to display many types of information without compressed the signal and display through long distance. Not only so, it also has some added value functions like EDID, System reset, Deep colour and IR systems. For best performances, **CAT6 AWG23** solid is recommended.

#### Features:

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant
- Supports Deep colour video up to 12bit, 1080p@60Hz
- One HDMI source to connect up to 1 HDMI and 7 CAT6 that allows users to link up to 8 displays simultaneously
- HDCP keysets allows each output to work independently when connecting to a HDMI display
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable
- Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master
- Audio transmission (32-192kHz Fs sample rate)
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- HDMI cable distance test with 1080p resolution: OUT1 can run up to 10m
- Selects EDID from TV mode or STD mode
- Deep colour setting of 8 bit or 12 bit
- IR remote control
- System reset function
- Supports high definition resolution, at 1080p/8bits distance can reach 45 m with CAT6 AWG23

The receiver CH-1106RX must be ordered as CAT6 receiver box.

# CMLUX-4H4CAT

new

HDMI 1.3/CAT6 4x4 MATRIX



HDMI

RS232

IR

CAT6

## Applications:

CMLUX-4H4CAT is a high performance HDMI Matrix over CAT6 with a remote control. It is compatible with HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Colour (10 bits/colour) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio. It offers you the maximum convenience in HDMI signal distribution, when you have multiple HDMI sources and displays to be connected together. Each of the four HDMI sources can be directed to any one of the four HDMI displays, so each display can show a different source. When HDMI signal progresses through the system, it is re-timed, and level-compensated. Furthermore, since signal is transferred over CAT6, the distance can be extended at a long range (over 50m at 1080p 8 bits) yet at a very low cost. CAT6 connection can also be built with cascade function with other devices with real time play and no signal loss. Moreover, with remote control and built-in IR in & out systems, makes it a very handy device. For best performances, **CAT6 AWG23** solid is recommended.

## Features:

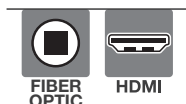
- HDMI 1.3, HDCP 1.1 and DVI 1.0 compliant
- Supports digital video formats in Deep Colour 12 bits and new lossless compressed (Dolby-TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal
- Shows input source LED indicators on each output select
- Compatible with all HDMI sources and displays
- Supports a wide range of PC and HDTV resolutions up to UXGA and 1080p
- Supports RS-232 control
- Supports IR remote control and IR extender
- Supports high definition resolution, at 1080p/8bits distance can reach 45 m with CAT6 AWG23

The receiver CH-1106RX must be ordered as CAT6 receiver box.

## COH-TX/RX

new

### HDMI 1.2 OPTICAL TRANSCEIVER



AVAILABLE OCTOBER 2010

#### Applications:

When HDMI signal is broadly used in the entertainment world, the cost and distance availability of the HDMI cables has become a burden for users. HDMI over fiber provides the same quality presentation with distance up to 300 m. The HDMI signal is not compressed and is fully complied with HDCP.

#### Features:

- HDMI 1.2, HDCP and DVI compliance
- Transmission up to 300 m
- Support EDID reading and CEC function
- Supports up to 1080i 60 Hz and 1080p 30 Hz
- LC Fiber Type Plug

## CLUX-UCEC

new

### HDMI CEC CONTROL OVER RS232



AVAILABLE OCTOBER 2010

#### Applications:

The HDMI CEC control over RS232 is a convenient device for controller to set the CEC command in the control room. Both source and display can be controlled through PC and/or through a remote control.

Other than the RS232 control function the mini USB input can also provide power to the device.

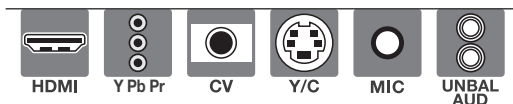
#### Features:

- HDMI 1.3, HDCP 1.1, DVI1.0 compliance
- Supports full CEC functions
- RS232 over mini USB
- Supplied over mini USB
- Supports EDED bypass
- Software Control provided

## CMX-12

new

### DIGITAL AV MIXER



AVAILABLE OCTOBER 2010

#### Features:

- Selective size and position for digital effects area and PIP windows
- Automatic fade and wipe with speed preset control
- Digital effects: Still, Mosaic, Paint, Negative
- 96 wipe patterns
- Chroma key and Luminance Key
- 3x8 Bar colour
- Joystick control for digital effect position
- Fade control for Video and Audio
- Video and Audio mixing
- Two HDMI source inputs
- Two Component source inputs
- Two CV or Y/C source inputs
- One HDMI recording output
- Two Component recording outputs
- One CV and Y/C outputs
- One CV and Y/C preview outputs
- Auxiliary Audio input
- Microphone input and headphone outputs
- PIP control (3 windows size)